Climate Survey - China

Start of Block: Welcome

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Q1.1   
 This is a survey conducted for academic research purposes by researchers from Harvard University and the OECD. It will take approximately **25 minutes** to complete. The survey data is used for research purposes only, and the research is non-partisan. You will be compensated for this survey if you complete the survey and your responses pass our survey quality checks. These checks use statistical control methods to detect incoherent and rushed responses. It is very important for the validity of our research that you **answer honestly**and **read the questions carefully** before answering.    
The survey collects personal data, including socio-demographic characteristics and political views. All of the answers you provide will remain anonymous and be treated with absolute confidentiality. The personal data we collect will be transferred and stored on secure servers. Only researchers working on the project will have access to the anonymized data. Your participation in this survey is completely voluntary. You are entitled to choose not to take part. If at first you agree to take part, you can later change your mind. Your decision will not be held against you in any way. Your refusal to participate will not result in any consequences or any loss of benefits that you are otherwise entitled to receive. You can ask any questions before you decide whether to participate.     If you have questions, concerns, or complaints, or think the research has offended you, you can contact the research team at social.economics.research2020@gmail.com or call the Harvard University Area Institutional Review Board (“IRB”) at (617) 496-2847. The OECD is committed to protecting the personal data it processes, in accordance with its Personal Data Protection Rules (<https://www.oecd.org/general/data-protection.htm>). If you have further queries or complaints related to the processing of your personal data, please contact the Data Protection Officer ([DPO@oecd.org](http://DPO@oecd.org)). If you need further assistance in resolving claims related to personal data protection you can contact the Data Protection Commissioner ([DPC@oecd.org](http://DPC@oecd.org)).   
    
**Do you agree to participate in the survey?**

* Yes (1)
* No (2)

End of Block: Welcome

Start of Block: Socio-demographics

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Q2.1 What is your gender?

* Female (1)
* Male (2)
* Other (3)

Q2.2 How old are you?

* Below 18 (27)
* 18 to 24 (28)
* 25 to 34 (29)
* 35 to 49 (30)
* 50 to 64 (31)
* 65 or above (32)

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Q2.4 What is your ZIPcode?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2.5 Do you live in aruralor an urbanarea? I live in:

* A rural area (1)
* A small town (5,000 – 20,000 inhabitants) (2)
* A large town (20,000 – 50,000 inhabitants) (3)
* A small city (50,000 – 250,000 inhabitants) (5)
* A medium-sized city (250,000 – 3,000,000 inhabitants) (7)
* A large city (more than 3 million inhabitants) (8)

Q228 Do you live with your partner (if you have one)?

* Yes (1)
* No or I don't have a partner (2)

Q2.17 What is your marital status?

* Single (1)
* Married (4)
* Divorced or legally separated (5)
* Widowed (6)

Q2.18 How many children do you have?

* 0 (3)
* 1 (4)
* 2 (5)
* 3 (6)
* 4 or more (7)

Q2.19 How many people are in your household? The household includes: you, the members of your family who live with you (including children below 18), and your dependents.

* 1 (8)
* 2 (9)
* 3 (10)
* 4 (11)
* 5 or more (12)

Q2.14 What was the annualincomeofyourhouseholdin 2019 (before withholding tax)?

* less than $35,000 (5)
* between $35,000 and $70,000 (6)
* between $70,000 and $120,000 (8)
* more than $120,000 (9)

Q2.16 What is theestimatedvalueofyourassets, or the assets of your household if you are married (in dollars)? Include here all your possessions (home, car, savings, etc.) net of debt. For example, if you own a house worth $300,000 and you have $100,000 left to repay on your mortgage, your assets are $200,000.  
  
  
I estimate my assets net of debt to be:

* Less than $0 (I have a net debt) (1)
* Close to $0 (6)
* Between $4,000 and $120,000 (2)
* Between $120,000 and $380,000 (3)
* More than $380,000 (4)

Q2.8 What is the highestlevelofeducation you have completed?

* No schooling completed (1)
* Primary school (2)
* Lower secondary school (3)
* Vocational degree (4)
* High school (5)
* College degree (6)
* Master's degree or above (7)

Q2.9 What is your employment status?

* Full-time employed (2)
* Part-time employed (3)
* Self-employed (4)
* Student (6)
* Retired (7)
* Unemployed (searching for a job) (5)
* Inactive (not searching for a job) (8)

Display This Question:

If What is your employment status? = Full-time employed

Or What is your employment status? = Part-time employed

Or What is your employment status? = Self-employed

Q271 If you work in any of the following industries, please select one describing your industry best

* Oil, gas or coal (1)
* Other energy industries (15)
* Cement production (2)
* Construction (3)
* Automobile manufacturing (4)
* Iron and steel manufacturing (5)
* Chemical manufacturing (6)
* Plastics production (7)
* Pulp and paper production (8)
* Farming (crop or livestock) (9)
* Air transport (e.g. airlines) (10)
* No, none of the above (14)

Display This Question:

If What is your employment status? = Retired

Or What is your employment status? = Unemployed (searching for a job)

Or What is your employment status? = Inactive (not searching for a job)

Q274 If in your last job you worked in any of the following industries, please select one describing your industry best.

* Oil and gas (1)
* Other energy industries (11)
* Cement production (2)
* Construction (3)
* Automobile manufacturing (4)
* Iron and steel manufacturing (5)
* Chemical manufacturing (6)
* Plastics production (7)
* Pulp and paper production (8)
* Farming (crop or lifestock) (9)
* Air transport (e.g. airlines) (10)
* No, none of the above (12)

Display This Question:

If What is your employment status? = Full-time employed

Or What is your employment status? = Part-time employed

Or What is your employment status? = Self-employed

Q272 What is the main activity of the company or organization where you work?

▼ Agriculture, forestry, fishing, hunting (2) ... None of the above/ Other (24)

Display This Question:

If What is your employment status? = Retired

Or What is your employment status? = Unemployed (searching for a job)

Or What is your employment status? = Inactive (not searching for a job)

Q273 What was the main activity of the company or organization at which you last worked?

▼ Agriculture, forestry, fishing, hunting (1) ... None of the above/Other (23)

Q2.13 Have you or a member of your household been laid off or had to take a cut in your salary or wages due to the COVID-19 pandemic?

* Yes (1)
* No (2)

Q2.15 Are you a homeowner or a tenant? (Multiple answers are possible)

* Tenant (1)
* Owner (2)
* Landlord renting out property (3)
* Hosted free of charge (4)

End of Block: Socio-demographics

Start of Block: Political views and media consumption

Q23.2 Are you member of an environmental organization?

* Yes (1)
* No (2)

Q23.3 Do you have any relatives who are environmentalists?

* Yes (1)
* No (4)

End of Block: Politics (more)

Start of Block: Household composition and energy characteristics

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Q3.1 What is the main way you heat your home?

* Electricity (1)
* Gas (2)
* Heating oil (3)
* Wood, solar, geothermal, or heat pump (4)
* Don't know, or prefer not to say (5)

Q242 In a typical month, how much do you spend on heatingfor your accommodation?

* I don't know (1)
* Less than $20 (2)
* $20 – $75 (3)
* $76 – $125 (4)
* $126 – $200 (5)
* $201 – $250 (6)
* $251 – $300 (7)
* More than $300 (8)

Q243 Good insulation can keep a building warm in the winter and cool in the summer.  
  
How do you rate the insulation of your accommodation?

* Very poor (0)
* Poor (11)
* Fair (12)
* Good (13)
* Excellent (14)

Q3.2 In a typical month, how much do you spend on gas for driving?

* Less than $5 (4)
* $5 – $25 (5)
* $26 – $75 (6)
* $76 – $125 (7)
* $126 – $175 (8)
* $176 – $225 (9)
* More than $225 (10)

Q3.3 How many round-trip flights did you take between 2017 and 2019?

* 0 (4)
* 1 (5)
* 2 (6)
* 3 or 4 (7)
* 5 to 7 (9)
* 8 to 14 (14)
* 15 or more (12)

Q3.4 How often do you eat beef?

* Never (2)
* Less than once a week (3)
* One to four times per week (4)
* Almost or at least daily (5)

Q3.5 Whichmode of transport did you mainly use for each of the following trips in 2019?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Car or Motorbike (1) | Public Transport (2) | Walking or Cycling (3) | Other (4) | Not Applicable (5) |
| Commute to work or place of study (1) |  |  |  |  |  |
| Grocery shopping (2) |  |  |  |  |  |
| Recreational and leisure activities (excluding holiday travel) (3) |  |  |  |  |  |

Q3.6 How do you rate the availability (ease of access and frequency) of public transportation where you live?

* Very poor (0)
* Poor (1)
* Fair (2)
* Good (3)
* Excellent (4)

Q3.7 Timing

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Last Click (2)

Page Submit (3)

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End of Block: Household composition and energy characteristics

Start of Block: Essay: climate change

Q5.1 Timing

First Click (1)

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Click Count (4)

Q5.2 When thinking about climate change, what are your main considerations?   
  
 Please write as much as you would like, your response will be very useful.

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End of Block: Essay: climate change

Start of Block: Treatment information: local climate

Q7.1 Recent academic studies have assessed the effects of climate change in China. We will now show you a 3 minute video (with sound) that summarizes the results of these studies.    
    
Please pay attention to the information provided as you will be asked questions about it later. Do not skip forward or close the page while the video is running.   
  
 Please proceed to the next page when you are ready.

End of Block: Treatment information: local climate

Start of Block: Treatment: local climate

Q8.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q8.2

End of Block: Treatment: local climate

Start of Block: Treatment feedback: local climate

Q9.1 Were you able to watch and listen to the video until the end?

* Yes (1)
* No, there was a technical problem (2)
* No, I skipped part of the video (3)

Q9.2 From what was said in the video, if greenhouse gas emissions continue on their current trend, what will be the rise in global average temperature in 2100?

* 2 °F (1)
* 3.6 °F (4)
* 8 °F (2)
* 15 °F (5)
* Don't know (3)

Q9.3 From what was said in the video, in the absence of ambitious action against climate change, how frequent will extreme temperatures (that is, temperature above 95 °F) occur on average across China by the end of the century?

* 70 days per year (3)
* 80 days per year (4)
* 90 days per year (5)
* 100 days per year (6)
* Don't know (7)

End of Block: Treatment feedback: local climate

Start of Block: Treatment information: policy

Q10.1 We will now show you a 5 minute video (with sound) that summarizes the features of some policies proposed to fight climate change.   
   
 Please pay attention to the information provided as you will be asked questions about it later. Do not skip forward or close the page while the video is running.   
  
 Please proceed to the next page when you are ready.

End of Block: Treatment information: policy

Start of Block: Treatment: policy

Q11.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q11.2

End of Block: Treatment: policy

Start of Block: Treatment feedback: policy

Q12.1 Were you able to watch and listen to the video until the end?

* Yes (1)
* No, there was a technical problem (2)
* No, I skipped part of the video (3)

Q12.3 The video presented three climate policies. What was the first policy about?

* A ban on combustion-engine cars (2)
* A ban on short-haul flights (1)
* A ban on coal power plants (3)
* A ban on single-use plastic bags (6)
* Don't know (7)

Q12.2 The green infrastructure program described in the video would be financed by:

* Additional government debt (3)
* Taxes on the wealthiest (1)
* Increase in sales taxes (7)
* Reduction in social spending (4)
* Don't know (6)

End of Block: Treatment feedback: policy

Start of Block: Climate knowledge

Q13.1 How often do you think or talk with people about climate change?

* Almost never (2)
* Several times a year (3)
* Several times a month (4)

Q13.2 In your opinion, is climate change real?

* Yes (1)
* No (2)

Display This Question:

If In your opinion, is climate change real? = Yes

Q13.3 What part of climate change do you think is due to human activity?

* None (0)
* A little (11)
* Some (12)
* A lot (13)
* Most (14)

Q13.4 Do you agree or disagree with the following statement: "Climate change is an important problem."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q13.5 How knowledgeable do you consider yourself about climate change?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q13.7 Greenhouse gases are gases that trap heat in the atmosphere and make the Earth warmer, causing climate change. In particular, the burning of fossil fuels and agricultural production emit greenhouse gases.  
    
Which of the following elements contribute to climate change? (Multiple answers are possible)

* CO2 (1)
* Hydrogen (2)
* Methane (3)
* Particulate matter (4)

Q13.8 Do you think that cutting global greenhouse gas emissions by half would be sufficient to eventually stop temperatures from rising?

* Yes (5)
* No (4)

Q13.9 For the next three questions we would like you to rank the items according to the greenhouse gas emissions they emit, to the best of your knowledge (where 1 is the item that emits the most and 3 the item that emits the least).   
  
 The greenhouse gas emissions of a product are those emitted at all steps involved in its production and distribution.

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Q13.10 If a family of 4 travels 500 miles from New York to Toronto, with which mode of transportation do they emit the most greenhouse gases?   
  
 Please rank the items from 1 (most) to 3 (least) (by clicking and dragging the items).

\_\_\_\_\_\_ Car (running on diesel or gasoline) (1)

\_\_\_\_\_\_ Coach (2)

\_\_\_\_\_\_ Plane (3)

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Q13.11 Which dish emits the most greenhouse gases? We consider that each dish weighs half a pound.   
  
 *Please rank the items from 1 (most) to 3 (least)*(by clicking and dragging the items).

\_\_\_\_\_\_ A beef steak (1)

\_\_\_\_\_\_ One serving of pasta (2)

\_\_\_\_\_\_ Chicken wings (3)

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Q13.12 Which source of electric energy emits the most greenhouse gases to provide power for a house?   
  
 *Please rank the items from 1 (most) to 3 (least)*(by clicking and dragging the items).

\_\_\_\_\_\_ Gas-fired power plant (1)

\_\_\_\_\_\_ Nuclear power plant (2)

\_\_\_\_\_\_ Coal-fired power station (3)

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Q258 Which region contributes most to global greenhouse gas emissions?  
*Please rank the regions from 1 (most) to 4 (least) and note that multiple regions may have the same rank.*

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| --- | --- | --- | --- | --- |
|  | Rank 1: Most (1) | Rank 2 (2) | Rank 3 (3) | Rank 4: Least (4) |
| The U.S. (1) |  |  |  |  |
| The European Union (2) |  |  |  |  |
| China (3) |  |  |  |  |
| India (4) |  |  |  |  |

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Q14.2 In which region does the consumption of an average person contribute most to greenhouse gas emissions?  
   
 Please rank the regions from 1 (most) to 4 (least).

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| --- | --- | --- | --- | --- |
|  | Rank 1: Most (1) | Rank 2 (2) | Rank 3 (3) | Rank 4: Least (4) |
| The U.S. (1) |  |  |  |  |
| The European Union (2) |  |  |  |  |
| China (3) |  |  |  |  |
| India (5) |  |  |  |  |

Q13.13 If nothing is done to limit climate change, how likely do you think it is that climate change will lead to the following events?

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| --- | --- | --- | --- | --- |
|  | Very unlikely (1) | Somewhat unlikely (2) | Somewhat likely (3) | Very likely (4) |
| Severe droughts and heatwaves (3) |  |  |  |  |
| More frequent volcanic eruptions (2) |  |  |  |  |
| Rising sea levels (4) |  |  |  |  |
| Lower agricultural production (1) |  |  |  |  |
| Drop in standards of living (5) |  |  |  |  |
| Larger migration flows (6) |  |  |  |  |
| More armed conflicts (7) |  |  |  |  |
| Extinction of humankind (8) |  |  |  |  |

End of Block: Climate knowledge

Start of Block: Climate Change (attitudes and risks)

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Q14.1 To what extent are the following groups responsible for climate change in China?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all (1) | A little (2) | Moderately (3) | A lot (4) | A great deal (5) |
| Each of us (1) |  |  |  |  |  |
| The high income earners (2) |  |  |  |  |  |
| The authorities (3) |  |  |  |  |  |
| Companies (4) |  |  |  |  |  |
| Previous generations (5) |  |  |  |  |  |

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Q14.3 To what extent do you think that it is technically feasible to stop greenhouse gas emissions by the end of the century while maintaining satisfactory standards of living in China?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q14.4 To what extent do you think climate change already affects or will affect your personal life negatively?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q14.6 How likely is it that human kind halts climate change by the end of the century?

* Very unlikely (0)
* Somewhat unlikely (1)
* Somewhat likely (2)
* Very likely (3)

Q14.7 If we decide to halt climate change through ambitious policies, what would be the effects on the U.S economy and employment?

* Very negative effects (0)
* Somewhat negative effects (1)
* No noticeable effects (2)
* Somewhat positive effects (3)
* Very positive effects (4)

Q14.8 If we decide to halt climate change through ambitious policies, to what extent do you think it would negatively affect your lifestyle?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q14.9 Here are possible behaviors that experts say would help reduce greenhouse gas emissions.   
    
To what extent would you be willing to adopt the following behaviors?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all (1) | A little (2) | Moderately (3) | A lot (4) | A great deal (5) |
| Limit flying (2) |  |  |  |  |  |
| Limit driving (1) |  |  |  |  |  |
| Have a fuel-efficient or an electric vehicle (5) |  |  |  |  |  |
| Limit beef consumption (4) |  |  |  |  |  |
| Limit heating or cooling your home (6) |  |  |  |  |  |

Q14.11 How important are the factors below in order for you to adopt a sustainable lifestyle (i.e. limit driving, flying, and consumption, cycle more, etc.)?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all (1) | A little (2) | Moderately (3) | A lot (4) | A great deal (5) |
| Ambitious climate policies (1) |  |  |  |  |  |
| Having enough financial support (2) |  |  |  |  |  |
| People around you also changing their behavior (3) |  |  |  |  |  |
| The most well off also changing their behavior (4) |  |  |  |  |  |

End of Block: Climate Change (attitudes and risks)

Start of Block: Preference 1: ban on the sale of combustion-engine cars (full)

Q15.1   
To fight climate change, car producers can be required by law to produce cars that emit less CO2 per mile of the cars they sell. The emission limit is lowered every year so that only electric or hydrogen vehicles can be sold after 2030. This policy is called *a ban on combustion-engine cars*.   
We will now ask you a few questions regarding this specific policy.

Q15.2 Do you agree or disagree with the following statements? A ban on combustion-engine cars would...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| reduce CO2 emissions from cars (1) |  |  |  |  |  |
| reduce air pollution (2) |  |  |  |  |  |
| have a **negative effect** on China economy and employment (4) |  |  |  |  |  |
| have a **large effect** on China economy and employment (3) |  |  |  |  |  |
| be a costly way to fight climate change (5) |  |  |  |  |  |

Q15.3 In your view, would the following groups win or lose if a ban on combustion-engine cars was implemented in China?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Lose a lot (1) | Mostly lose (2) | Neither win nor lose (3) | Mostly win (6) | Win a lot (7) |
| Low-income earners (1) |  |  |  |  |  |
| The middle class (2) |  |  |  |  |  |
| High-income earners (4) |  |  |  |  |  |
| Those living in rural areas (5) |  |  |  |  |  |

Q15.4 Do you think that your household would win or lose financially from a ban on combustion-engine cars?

* Lose a lot (1)
* Mostly lose (5)
* Neither win nor lose (6)
* Mostly win (9)
* Win a lot (10)

Q15.6 Do you agree or disagree with the following statement: "A ban on combustion-engine cars is fair"?

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q15.5 Do you support or oppose a ban on combustion-engine cars?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q15.7 Do you support or oppose a ban on combustion-engine cars where alternatives such as public transports are made available to people?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

End of Block: Preference 1: ban on the sale of combustion-engine cars (full)

Start of Block: Preference 2: green infrastructure program (full)

Q16.1 A *green infrastructure program* is a large public investment program, which would be financed by additional public debt, to accomplish the transition needed to cut greenhouse gas emissions. Investments would concern renewable power plants, public transport, thermal renovation of buildings, and sustainable agriculture. We will now ask you a few questions regarding this specific policy.

Q16.2 Do you agree or disagree with the following statements? A green infrastructure program would...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| make electricity production greener (1) |  |  |  |  |  |
| increase the use of public transport (6) |  |  |  |  |  |
| reduce air pollution (3) |  |  |  |  |  |
| have a **negative effect** on China economy and employment (5) |  |  |  |  |  |
| have a **large effect** on China economy and employment (4) |  |  |  |  |  |
| be a costly way to fight climate change (7) |  |  |  |  |  |

Q16.3 In your view, would the following groups win or lose with a green infrastructure program?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Lose a lot (1) | Mostly lose (2) | Neither win nor lose (3) | Mostly win (5) | Win a lot (6) |
| Low-income earners (1) |  |  |  |  |  |
| The middle class (2) |  |  |  |  |  |
| High-income earners (3) |  |  |  |  |  |
| Those living in rural areas (5) |  |  |  |  |  |

Q16.4 Do you think that your household would win or lose financially from a green infrastructure program?

* Lose a lot (1)
* Mostly lose (5)
* Neither win nor lose (6)
* Mostly win (7)
* Win a lot (8)

Q16.6 Do you agree or disagree with the following statement: "A green infrastructure program is fair."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q16.5 Do you support or oppose a green infrastructure program?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q16.7 Until now, we have considered that a green infrastructure program would be financed by public debt, but other sources of funding are possible.   
    
What sources of funding do you find appropriate for public investments in green infrastructure? (Multiple answers are possible)

* Additional public debt (1)
* Increase in sales taxes (2)
* Increase in taxes on the wealthiest (3)
* Reduction in social spending (4)
* Reduction in military spending (5)

End of Block: Preference 2: green infrastructure program (full)

Start of Block: Preference 3: carbon tax with cash transfers (full)

Q17.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q17.2 To fight climate change, China can make greenhouse gas emissions costly, to make people and firms change their equipment and reduce their emissions. The government could do this through a policy called a *carbon tax with cash transfers*. Under such a policy, the government would tax all products that emit greenhouse gas. For example, the price of gasoline would increase by 40 cents per gallon. To compensate households for the price increases, the revenues from the carbon tax would be redistributed to all households, regardless of their income. Each adult would thus receive $100 per year.   
We will now ask you a few questions regarding this specific policy.

Q17.3 Do you agree or disagree with the following statements? A carbon tax with cash transfers would...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| encourage people to drive less (6) |  |  |  |  |  |
| encourage people and companies to insulate buildings (1) |  |  |  |  |  |
| reduce the use of fossil fuels and greenhouse gas emissions (7) |  |  |  |  |  |
| reduce air pollution (2) |  |  |  |  |  |
| have a **negative effect** on China economy and employment (4) |  |  |  |  |  |
| have a **large effect** on China economy and employment (3) |  |  |  |  |  |
| be a costly way to fight climate change (5) |  |  |  |  |  |

Q17.4 In your view, would the following groups win or lose under a carbon tax with cash transfers?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Lose a lot (1) | Mostly lose (2) | Neither win nor lose (3) | Mostly win (5) | Win a lot (6) |
| Low-income earners (1) |  |  |  |  |  |
| The middle class (2) |  |  |  |  |  |
| High-income earners (3) |  |  |  |  |  |
| Those living in rural areas (4) |  |  |  |  |  |

Q17.5 Do you think that your household would win or lose financially under a carbon tax with cash transfers?

* Lose a lot (1)
* Mostly lose (5)
* Neither win nor lose (6)
* Mostly win (7)
* Win a lot (8)

Q17.7 Do you agree or disagree with the following statement: "A carbon tax with cash transfers is fair."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q17.6 Do you support or oppose a carbon tax with cash transfers?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

End of Block: Preference 3: carbon tax with cash transfers (full)

Start of Block: Preferences on climate policies

Q18.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q18.2 To show that you are attentive, please select "a little" in the following list:

* Not at all (1)
* A little (2)
* Moderately (3)
* A lot (4)
* A great deal (5)

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Q18.3 Do you support or oppose the following climate policies?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly oppose (1) | Somewhat oppose (2) | Neither support nor oppose (3) | Somewhat support (4) | Strongly support (5) |
| A tax on flying (that increases ticket prices by 20%) (1) |  |  |  |  |  |
| A national tax on fossil fuels (increasing gasoline prices by 40cts per gallon) (2) |  |  |  |  |  |
| A ban of polluting vehicles in dense areas, like city centers (6) |  |  |  |  |  |
| Subsidies for low-carbon technologies (renewable energy, capture and storage of carbon...) (7) |  |  |  |  |  |
| A contribution to a global climate fund to finance clean energy in low-income countries (8) |  |  |  |  |  |

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Q18.4 Governments can use the revenues from carbon taxes in different ways. Would you support or oppose introducing a carbon tax that would raise gasoline prices by 40 cents per gallon, if the government used this revenue to finance...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly oppose (1) | Somewhat oppose (2) | Neither support nor oppose (3) | Somewhat support (4) | Strongly support (5) |
| Cash transfers to households with no alternative to using fossil fuels (1) |  |  |  |  |  |
| Cash transfers to the poorest households (2) |  |  |  |  |  |
| Equal cash transfers to all households (3) |  |  |  |  |  |
| A reduction in personal income taxes (10) |  |  |  |  |  |
| A reduction in corporate income taxes (9) |  |  |  |  |  |
| Tax rebates for the most affected firms (4) |  |  |  |  |  |
| Funding environmental infrastructure projects (public transport, cycling ways, etc.) (5) |  |  |  |  |  |
| Subsidizing low-carbon technologies, including renewable energy (6) |  |  |  |  |  |
| A reduction in the public deficit (7) |  |  |  |  |  |

End of Block: Preferences on climate policies

Start of Block: Block WTP dichotomous

Q266 To fight global warming China could implement a policy package to reduce emissions, for example by investing in clean technologies (renewable energy, electric vehicles, public transport, more efficient insulation, etc.).   
  
  
The funding for these investments could be collected annually through an additional individual contribution for the foreseeable future. Assume that everyone in China as well as citizens of other countries would be required to contribute according to their means.  
  
  
Are you willing to pay $50 annually through an additional individual contribution to limit global warming to safe levels (less than 3.6 degrees Fahrenheit)?

* Yes (1)
* No (2)

End of Block: Block WTP dichotomous

Start of Block: Donation

Q19.2 By taking this survey, you are automatically entered into a lottery to win $100. In a few days you will know whether you have been selected in the lottery. The payment will be made to you in the same way as your compensation for this survey, so no further action is required on your part.      
  
  
You can also donate a part of this additional compensation (should you be selected in the lottery) to a reforestation project through the charity The Gold Standard. This charity has already proven effective to reduce 151 million tons of CO2 to fight climate change and has been carefully selected by our team. The Gold Standard is highly transparent and ensures that its projects feature the highest levels of environmental integrity and contribute to sustainable development.   
       
Should you win the lottery, please enter your donation amount using the slider below:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 20 | 40 | 60 | 80 | 100 |

|  |  |
| --- | --- |
| Donation amount (in U.S. dollars) () |  |

End of Block: Donation

Start of Block: International burden-sharing

Q20.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q20.2 At which level(s) do you think public policies to tackle climate change need to be put in place? (Multiple answers are possible)

* Global (4)
* National (3)
* Provincial (2)
* Local (1)

Q20.3 Do you agree or disagree with the following statement: "China should take measures to fight climate change."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q20.4 How should Chinese climate policies depend on what other countries do?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Much less (1) | Less (2) | About the same (3) | More (4) | Much more (5) |
| If other countries do *more*, China should do... (2) |  |  |  |  |  |
| If other countries do *less*, China should do... (1) |  |  |  |  |  |

Q20.5 To achieve a given reduction of greenhouse gas emissions globally, costly investments are needed.   
    
Ideally, how should countries bear the costs of fighting climate change?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| Countries should pay *in proportion to their income* (1) |  |  |  |  |  |
| Countries should pay *in proportion to their current emissions* (2) |  |  |  |  |  |
| Countries should pay *in proportion to their past emissions* (from 1990 onwards) (3) |  |  |  |  |  |
| The *richest countries should pay it all*, so that the poorest countries do not have to pay anything (4) |  |  |  |  |  |
| The *richest countries should pay even more*, to help vulnerable countries face adverse consequences: vulnerable countries would then receive money instead of paying (5) |  |  |  |  |  |

Q20.6 Do you support or oppose establishing a global democratic assembly whose role would be to draft international treaties against climate change? Each adult across the world would have one vote to elect members of the assembly.

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q20.7 Imagine the following policy: a global tax on greenhouse gas emissions funding a global basic income.   
  
 Such a policy would progressively raise the price of fossil fuels (for example, the price of gasoline would increase by 40 cents per gallon in the first years). Higher prices would encourage people and companies to use less fossil fuels, reducing greenhouse gas emissions. Revenues from the tax would be used to finance a basic income of $30/month to each human adult, thereby lifting the 700 million people who earn less than $2/day out of extreme poverty. Most Americans would lose out financially as they would face price increases in excess of $30/month.   
  
 Do you support or oppose such a policy?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q20.8 Do you support or oppose a tax on all millionaires around the world to finance low-income countries that comply with international standards regarding climate action?   
This would finance infrastructure and public services such as access to drinking water, healthcare, and education.

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

End of Block: International burden-sharing

Start of Block: Housing/Preference for bans vs. incentives

Display This Question:

If Are you a homeowner or a tenant? (Multiple answers are possible) = Owner

Or Are you a homeowner or a tenant? (Multiple answers are possible) = Landlord renting out property

Q21.1 How likely is it that you will improve the insulation or replace the heating system of your accommodation over the next 5 years?

* Very unlikely (0)
* Somewhat unlikely (1)
* Somewhat likely (2)
* Very likely (3)

Display This Question:

If Are you a homeowner or a tenant? (Multiple answers are possible) = Owner

Or Are you a homeowner or a tenant? (Multiple answers are possible) = Landlord renting out property

Q21.2 What are the main hurdles preventing you from improving the insulation or replace the heating system of your accommodation? (Multiple answers are possible)

* The choice to insulate or replace the heating system is not mine (1)
* The upfront costs are too high (2)
* It is too much effort (3)
* It won't improve its energy efficiency (4)
* My insulation and heating systems are already satisfactory (5)

Q277 Imagine that China makes it mandatory for all residential buildings to have insulation that meets a certain energy efficiency standard before 2040. The government would subsidize half of the insulation costs to help households with the transition.   
Do you support or oppose such policy?

* Strongly oppose (6)
* Somewhat oppose (7)
* Neither support nor oppose (8)
* Somewhat support (9)
* Strongly support (10)

Q278 Imagine that China makes it mandatory for all residential buildings to have insulation that meets a certain energy efficiency standard before 2040. The government would subsidize half of the insulation costs to help households with the transition.   
Insulating your home can take long, may cause disruptions to your daily life during the renovation works, and may even require you to leave your home until the renovation is completed.    
Do you support or oppose such policy?

* Strongly oppose (1)
* Somewhat oppose (2)
* Neither support nor oppose (3)
* Somewhat support (4)
* Strongly support (5)

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Q21.5 Imagine that, in order to fight climate change, China decides to limit the consumption of cattle products like beef and dairy.  
   
 Do you support or oppose the following options?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly oppose (1) | Somewhat oppose (2) | Neither support nor oppose (3) | Somewhat support (4) | Strongly support (5) |
| A high tax on cattle products, so that the price of beef doubles (1) |  |  |  |  |  |
| Subsidies on organic and local vegetables, fruits, and nuts (2) |  |  |  |  |  |
| The removal of subsidies for cattle farming (3) |  |  |  |  |  |
| The ban of intensive cattle farming (4) |  |  |  |  |  |

End of Block: Housing/Preference for bans vs. incentives

Start of Block: Trust, perceptions of institutions, inequality, and the future

Q22.1 Do you agree or disagree with the following statement: "Most people can be trusted."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q22.2 Do you agree or disagree with the following statement: "Over the last decade, the Chinese authorities could generally be trusted to do what is right."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q22.3 Some people think the government is trying to do too many things that should be left to individuals and businesses. Others think that the government should do more to solve our country's problems.  
   
 Which come closer to your own view?

* Government is doing too much (1)
* Government is doing just the right amount (7)
* Government should do more (8)

Q22.4 How big of an issue do you think income inequality is in China?

* Not an issue at all (0)
* A small issue (1)
* An issue (2)
* A serious issue (3)
* A very serious issue (4)

Q22.5 Do you think that overall people in the world will be richer or poorer in 100 years from now?

* Much poorer (0)
* Poorer (11)
* As rich as now (12)
* Richer (13)
* Much richer (14)

End of Block: Trust, perceptions of institutions, inequality, and the future

Start of Block: Feedback

Q25.1 Do you feel that this survey was politically biased?

* Yes, left-wing biased (1)
* Yes, right-wing biased (2)
* No, I do not feel it was biased (3)

Q25.2 The survey is nearing completion. You can now enter any comments, thoughts or suggestions in the field below.

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Display This Question:

If winner = 1

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Q251 Congratulations!   
  You won the lottery previously described. Over the $100 prize, $ will be donated to the charity Gold Standard, as you decided, and the remainder will be paid to you through the survey company Dynata.

End of Block: Feedback

Start of Block: Petition

|  |
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|  |

Q257 Finally, are you willing to sign a petition to "stand up for real climate action"?  
  
As soon as the survey is complete, we will send the results to the President of the United States’ office, informing him what share of people who took this survey were willing to support the following petition.   
  
"I agree that immediate action on climate change is critical. Now is the time to dedicate ourselves to a low-carbon future and prevent lasting damage to all living things. Science shows us we cannot afford to wait to cut harmful carbon emissions. I'm adding my voice to the call to world leaders in China and beyond -- to act so we do not lose ground in combating climate change."  
  
Do you support this petition (you will NOT be asked to sign, only your answer here is required and remains anonymous)?

* Yes (1)
* No (2)

End of Block: Petition